

Sebastien Villaume

List of Publications by Year in descending order

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18
papers

10,818
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

9938
citing authors

#	ARTICLE	IF	CITATIONS
1	The ERA5 global reanalysis. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1999-2049.	2.7	10,272
2	The ERA5 global reanalysis: Preliminary extension to 1950. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 4186-4227.	2.7	189
3	Triplet-State Aromaticity of $4n$ Electron Monocycles: Analysis of Bifurcation in the π Contribution to the Electron Localization Function. ChemPhysChem, 2008, 9, 257-264.	2.1	59
4	A coupled cluster study of the electronic spectroscopy and photochemistry of $\text{Cr}(\text{CO})_6$. Physical Chemistry Chemical Physics, 2007, 9, 6115.	2.8	46
5	On the Importance of Clar Structures of Polybenzenoid Hydrocarbons as Revealed by the π Contribution to the Electron Localization Function. Symmetry, 2010, 2, 1653-1682.	2.2	41
6	The electronic spectroscopy of transition metal carbonyls: The tough case of $\text{Cr}(\text{CO})_6$. Chemical Physics Letters, 2006, 421, 378-382.	2.6	38
7	Linear complex polarization propagator in a four-component Kohn-Sham framework. Journal of Chemical Physics, 2010, 133, 064105.	3.0	33
8	Quantum chemical study of the electronic structure of NiCH_2^+ in its ground state and low-lying electronic excited states. Journal of Chemical Physics, 2005, 122, 044313.	3.0	27
9	Aromaticity Changes along the Lowest-Triplet-State Path for C-C Bond Rotation of Annuleny-Substituted Olefins Probed by the Electron Localization Function. Journal of Physical Chemistry A, 2009, 113, 12304-12310.	2.5	22
10	On circular dichroism and the separation between chromophore and chiral center: The near carbon K-edge X-ray absorption and circular dichroism spectra of noradrenaline and DOPA. Chirality, 2009, 21, E13-9.	2.6	17
11	Near sulfur L-edge X-ray absorption spectra of methanethiol in isolation and adsorbed on a Au(111) surface: a theoretical study using the four-component static exchange approximation. Physical Chemistry Chemical Physics, 2010, 12, 5596.	2.8	16
12	Noradrenaline and a Thiol Analogue on Gold Surfaces: An Infrared Reflection-Absorption Spectroscopy, X-ray Photoelectron Spectroscopy, and Near-Edge X-ray Absorption Fine Structure Spectroscopy Study. Journal of Physical Chemistry C, 2011, 115, 165-175.	3.1	15
13	Photoactivity and UV Absorption Spectroscopy of $\text{RCo}(\text{CO})_4$ (R = H, CH ₃) Organometallic Complexes. Journal of Physical Chemistry A, 2007, 111, 4737-4742.	2.5	11
14	A multi state-CASPT2 vs. TD-DFT study of the electronic excited states of $\text{RCo}(\text{CO})_4$ (R=H, CH ₃) organometallic complexes. Chemical Physics Letters, 2006, 417, 545-549.	2.6	10
15	Theoretical study of the electronic structure of MCH_2^+ (M=Fe,Co,Ni). Journal of Chemical Physics, 2007, 126, 154318.	3.0	10
16	Photoinduced bond cleavage in CH_3ReO_3 : excited state dynamics. New Journal of Chemistry, 2008, 32, 1904.	2.8	6
17	Emission spectroscopy of metal-to-ligand-charge-transfer states of $\text{HRe}(\text{CO})_3(\text{H-dab})$, model system for π -diimine rhenium tricarbonyl complexes. Comptes Rendus Chimie, 2005, 8, 1453-1460.	0.5	3
18	Structure, Spectra, and Rearrangement Mechanism of PH_2F_3 : Revisiting a Classic Problem in Structural Inorganic Chemistry. Journal of Physical Chemistry A, 2007, 111, 2220-2228.	2.5	3